LDY-POE/K SPD Specification

LERDN®

Application Range

LDY-POE Series are surge proective devices applied to network device powered by the CAT-5E,which are usually installed in the front side of POE device,with function of two classes protection,they can prevent the network device from damage caused by overvoltage and overcurrent arising from lightning strike and industrial interference. They are widely used in wireless net work brige device.

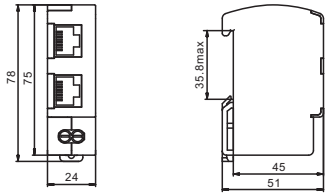
Main Features

☆ Modularization,DIN rail design,convenient for installation and replacement.
☆ Build-in temperature control and circuit breaking technology and multi-protection technology ,strong protection ability,high reliability.
☆ Function of multi-protection:Power and network signal.
☆ Build-in 4mm² elevating grounding terminal,more reliable grounding.

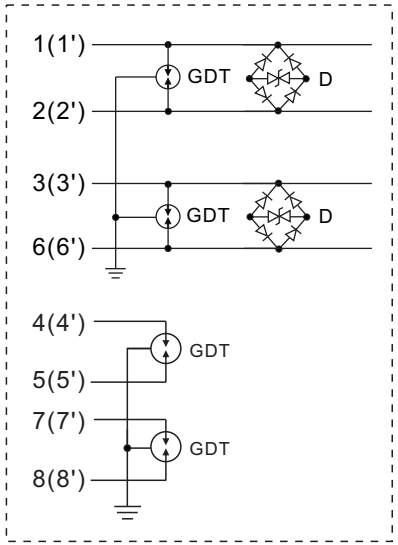
Technical Data

Type	Items		Technical data	
Signal	Rated working voltage Ue V		1.4	
	Max continuous working voltage Uc V		3	
	Nominal break-over voltage V	Line to line	⩾3.6	
		Line to earth	90±20%	
	Nominal discharge current In(8/20μs) kA	Line to line	0.1	
		Line to earth	2.5	
	Voltage protection level Up V	Line to line	＜45	
		Line to earth	＜500	
	Transmission rate fg		1000MHz	
	Insertion loss Ae		⩽0.5dB	
Power	Rated working voltage Ue VDC		24	48
	Max continuous working voltage Uc VDC		30	60
	Nominal break-over voltage V		90±20%	
	Nominal discharge current In(8/20μs) kA		5	
	Max discharge current Imax(8/20μs) kA		10	
	Voltage protection level Up V	Line to earth	⩽500	
	Rated frequency		50/60Hz	
Terminal wiring ability			4mm² multistranded Flexible Wire	
Enclosure material and flame retardant resistance			Enhanced flame retardant nylon (UL94V-0)	
Operating temperature			-40℃-70℃	
Relative humidity			⩽95%(No condensation)	

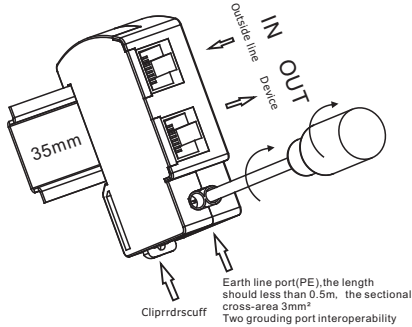
Appearance And Installation Dimension



Schematic Diagram



Installation Diagram



Direction For Use

1. It should be installed by the professional certified electrician.
2. Line voltage must be less than the maximum continuous operating voltage of surge proective device, surge protective device of the work environment must conform to the requirements for product performance parameters.
3. The protected connected in series at the input front side of protected device.
4. The surge proective device and system ground line of surge proective device should be reliable connected by grading ring,the earth line less than 0.5m.
5. Free special maintenance,green light constant on indicate power normal,off indicate broken,and then dismantle the protector and check the input power status.If the input power is normal ,the protector is broken and need being replaced.When the signal is inaccessible,dismantle the protectorand check it again,if recover after dismantlement,the signal function is broken,the protector should be replacement immediately.